

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An information output apparatus for outputting recording information and copy control information to an information recording apparatus ~~for recording the~~which records the recording information and copy control information into a recording medium, ~~said copy control information indicating the number of times which the recording information can be recorded, said the~~ information output apparatus comprising:

a generating device for generating copy control information ~~comprising first copy control information indicating a protection state of the recording information which will exist after the recording information is copied from the recording medium~~indicating a number of times which the recording information can be recorded; and

a multiplexing device for multiplexing the copy control information, which is generated by the generating device, and the recording information; and, said copy control information indicating said number of times which the recording information can be recorded

an output device for outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information and the information recording apparatus records the

recording information and the copy control information into the recording medium without modifying the copy control information.

Claims 2-3. (canceled).

4. (previously presented): The information output apparatus according to Claim 1, wherein

the output device outputs the multiplexed recording information and copy control information to the information recording apparatus through an at least one electric communication line.

5. (previously presented): The information output apparatus according to Claim 4, wherein

the at least one electric communication line is any of the Internet line, a ground wave digital line, a satellite communication line, and a cable television line.

6. (currently amended): The information output apparatus according to Claim 4~~8~~₁, wherein

the output device further comprises a converting device for converting the multiplexed recording information and copy control information into a recording information and a copy control information in conformity with a recording format used for recording the information into the recording medium in the information recording apparatus, and for outputting the

converted information to the information recording apparatus, when outputting the multiplexed recording information and copy control information to the information recording apparatus at the output speed.

7. (currently amended): An information recording apparatus for recording copy control information and recording information into a recording medium, said copy control information and recording information output from an information output apparatus, ~~for outputting the recording information and the copy control information indicating the number of times the recording information can be recorded, to the information recording apparatus, said the~~ information output apparatus comprising:

a generating device for generating copy control information ~~comprising first copy control information indicating a protection state of the recording information which will exist after the recording information is copied from the recording medium~~ indicating a number of times which the recording information can be recorded; and

a multiplexing device for multiplexing the copy control information, which is generated by the generating device, and the recording information; and, ~~said copy control information indicating said number of times which the recording information can be recorded;~~

an output device for outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information and the information recording apparatus records the

~~recording information and the copy control information into the recording medium without modifying the copy control information,~~

said information recording apparatus comprising:

an obtaining device for obtaining the output recording information and copy control information; and

a recording device for recording the obtained recording information and copy control information into the recording medium, without modifying the copy control information.

8. (canceled).

9. (currently amended): An information output recording system ~~including comprising~~ an information output apparatus for outputting recording information and copy control information ~~indicating the number of times the recording information can be recorded~~, and an information recording apparatus, wherein

said information output apparatus comprises:

a generating device for generating copy control information ~~comprising first copy control information indicating a protection state of the recording information which will exist after the recording information is copied from the recording medium~~ indicating a number of times which the recording information can be recorded; and

a multiplexing device for multiplexing the copy control information, which is generated by the generating device, and the recording information, ~~said copy control information indicating said number of times which the recording information can be recorded~~; and

an output device for outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information-and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information

said information recording apparatus comprising:

an obtaining device for obtaining the output recording information and the copy control information; and

a recording device for recording the obtained recording information and copy control information into the recording medium, without modifying the obtained copy control information.

10. (currently amended): An information output recording system ~~including comprising~~ an information output apparatus for outputting recording information and copy control information ~~indicating the number of times the recording information can be recorded~~, and an information recording apparatus, wherein

said information output apparatus comprises:

a generating device for generating copy control information ~~comprising first copy control information indicating a protection state of the recording information which will exist after the~~

~~recording information is copied from the recording medium indicating a number of times which the recording information can be recorded; and~~

~~a multiplexing device for multiplexing the copy control information, which is generated by the generating device, and the recording information; said copy control information indicating said number of times, to be indicated after said recording in the recording information apparatus is completed, which the recording information can be recorded; and~~

~~an output device for outputting the multiplexed information to the information recording apparatus,~~

~~wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information.~~

said information recording apparatus comprises:

the obtaining device for obtaining the output recording information and copy control information to output the same to the information recording apparatus; and

a recording device for recording the output recording information and copy control information into the recording medium, without modifying the copy control information.

11. (previously presented): The information output recording system according to Claim 10, wherein

said information recording apparatus comprises:

a recognizing device for mutually recognizing a type of device between the obtaining device and the information recording apparatus; and

a recording control device for controlling the recording device so as to record the recording information and copy control information into the recording medium, only when recognizing that the recording information and the copy control information has been output at the higher output speed from the obtaining device, based on the recognition result in the recognizing device.

12. (original) The information output recording system according to Claim 10, wherein the obtaining device outputs the obtained recording information and copy control information to the information recording apparatus at the output speed, after performing encryption processing corresponding to only the output speed.

13. (previously presented): The information output recording system according to Claim 12, wherein

said information recording apparatus comprises:

a determination device for determining whether or not the recording information and copy control information has been output from the obtaining device, according to the encryption processing in the output recording information and copy control information, and

a recording control device for controlling the recording device so as to record the recording information and copy control information into the recording medium, only when it finds that the recording information and copy control information have been output from the

obtaining device at the higher speed, according to the determination result in the determination device.

14. (previously presented): The information output recording system according to Claim 12, wherein

said information recording apparatus further comprises:

a decoding device for decoding the output recording information and the copy control information; and

a recording encryption device for recording the decoded output recording information and copy control information into the recording medium, after performing the encryption processing for recording on information.

15. (canceled).

16. (previously presented): The information output recording system according to Claim 9, wherein

the output device outputs the multiplexed recording information and copy control information to the obtaining device through an at least one electric communication line.

17. (previously presented): The information output recording system according to Claim 16, wherein

the at least one electric communication line is any of the Internet line, a ground wave digital line, a satellite communication line, and a cable television line.

18. (currently amended): An information output method for outputting recording information and copy control information to an information recording apparatus ~~for recording~~ the which records the recording information and copy control information into a recording medium, ~~said copy control information indicating the number of times the recording information can be recorded,~~ the information output method comprising:

generating copy control information comprising first copy control information indicating a number of times which the recording information can be recorded ~~a protection state of the recording information which will exist after the recording information is copied from the recording medium;~~ and

multiplexing the copy control information, which is generated, and the recording information, ~~said copy control information indicating said number of times which the recording information can be recorded;~~ and

outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, generating copy control information comprises generating No More Copy information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information.

Claims 19-22. (canceled).

23. (currently amended): The information output method according to Claim 18, further comprising ~~a converting process for~~ converting the multiplexed recording information and copy control information into a recording information and copy ~~control~~control information in conformity with a recording format used for recording the information into the recording medium in the information recording apparatus, to output the converted information to the information recording apparatus, when outputting the multiplexed recording ~~information~~information and copy control information to the information recording apparatus at the output speed.

24. (currently amended): An information recording method for recording copy control information and recording information into a recording medium, said copy control information and recording information output by ~~the~~an information output method for outputting the recording information and the copy control information ~~indicating the number of times the recording information can be recorded,~~ to the an information recording apparatus for ~~recording~~which records the recording information and copy control information into the recording medium, ~~said~~the information output method comprising:

generating copy control information comprising first copy control information indicating a number of times which the recording information can be recorded~~a protection state of the recording information which will exist after the recording information is copied from the recording medium;~~ and

multiplexing the copy control information, which is generated, ~~after recorded state on the recording medium~~, and the recording information, ~~said copy control information indicating said number of times which the recording information can be recorded; and~~

outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, generating copy control information comprises generating No More Copy information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information,

said information recording method comprising:

obtaining the output recording information and copy control information; and

recording the obtained recording information and copy control information into the recording medium, without modifying the copy control information.

25. (canceled).

26. (currently amended): An information output recording method ~~including comprising an information output method for outputting recording information and copy control information indicating the number of times the recording information can be recorded; and an~~ information recording method, wherein

said information output method comprises:

generating copy control information comprising first copy control information indicating a number of times which the recording information can be recorded~~protection state of the recording information which will exist after the recording information is copied from the recording medium; and~~

multiplexing the copy control information, which is generated~~after recorded state on the recording medium~~, and the recording information, ~~said copy control information indicating said number of times which the recording information can be recorded; and~~

outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, generating copy control information comprises generating No More Copy information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information.

said information recording method comprises:

obtaining the output recording information and copy control information; and

recording the obtained recording information and copy control information into the recording medium, without modifying the copy control information.

27. (currently amended): An information output recording method ~~including comprising an information output method for outputting recording information and copy control information indicating the number of times the recording information can be recorded, and an information recording method, wherein~~

said information output method comprises:

generating copy control information comprising first copy control information indicating a number of times which the recording information can be recorded~~protection state of the recording information which will exist after the recording information is copied from the recording medium; and~~

~~a multiplexing process for multiplexing the copy control information, which is generated, after recorded state on the recording medium, and the recording information, said copy control information indicating said number of times which the recording information can be recorded; and~~

outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, generating copy control information comprises generating No More Copy information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information,

said information recording method comprises:

obtaining output recording information and copy control information to output the output recording information and copy control information to the information recording apparatus; and

recording the output recording information and copy control information into the recording medium, without modifying the copy control information.

28. (previously presented): The information output recording method according to Claim 27, wherein

said information recording method further comprises

mutually recognizing a type of device between an obtaining device for executing the obtaining method and the information recording apparatus, and

in the recording process, the recording information and the copy control information are recorded into the recording medium, only when it is recognized that the recording information and the copy control information have been output at the higher output speed from the obtaining device, based on the recognized type in the recognizing process.

29. (previously presented): The information output recording method according to Claim 27, wherein

in the obtaining process, the obtained recording information and copy control information are output to the information recording apparatus at the output speed, after performing encryption processing corresponding to only the output speed.

30. (previously presented): The information output recording method according to Claim 29, wherein

said information recording method comprises

determining whether or not the recording information and the copy control information have been output from the obtaining device, according to the encryption processing in the output recording information and copy control information, and

in the recording process, the recording information and the copy control information are recorded into the recording medium, only when recognizing that the recording information and copy control information have been output from the obtaining device at the higher speed, according to the decision result in the determining process.

31. (previously presented): The information output recording method according to Claim 29, wherein

said information recording method further comprises:

decoding the output recording information and copy control information; and

recording the decoded recording information and copy control information into the recording medium, after performing an encryption processing for recording on information.

32. (currently amended): An information recording medium in which an output control program recorded in a readable way by an output control computer included in an information output apparatus for outputting recording information and copy control information to an information recording apparatus ~~for recording~~ which records the recording information and copy control information into a recording medium, ~~said copy control information indicating the number of times the recording information can be recorded~~, wherein the output control program causes the output control computer to function as:

a generating device for generating copy control information comprising first copy control information indicating a number of times which the recording information can be

~~recorded~~ ~~protection state of the recording information which will exist after the recording information is copied from the recording medium; and~~

~~a multiplexing device for multiplexing the copy control information, which is generated by the generating device, and the recording information, said copy control information indicating said number of times which the recording information can be recorded; and~~

~~an output device for outputting the multiplexed information to the information recording apparatus,~~

~~wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information.~~

Claims 33-36. (canceled).

37. (original) The information recording medium according to Claim 32, wherein the output control program causes the output control computer to further function as a converting device for converting the multiplexed recording information and copy control information into a recording information and copy control information in conformity with a recording format used for recording the information into the recording medium in the information recording apparatus, to output the converted information to the information recording

apparatus, when outputting the multiplexed recording information and copy control information to the information recording apparatus at the output speed.

38. (currently amended): An information recording medium in which a recording control program recorded in a readable medium by a recording control computer included in the information recording apparatus ~~for recording~~which records copy control information and recording information into a recording medium, said copy control information and recording information output from an information output apparatus for outputting the recording information and the copy control information ~~indicating the number of times the recording information can be recorded,~~ to the information recording apparatus, said information output apparatus comprising:

a generating device for generating copy control information comprising first copy control information indicating a number of times which the recording information can be recorded~~protection state of the recording information which will exist after the recording information is copied from the recording medium;~~ and

a multiplexing device for multiplexing the copy control information, which is generated by the generating device, ~~after recorded state on the recording medium,~~ and the recording information, ~~said copy control information indicating said number of times to be indicated after said recording in the recording information apparatus is completed;~~ and

an output device for outputting the multiplexed information to the information recording apparatus,

wherein, if the recording information willis to be prohibited from being copied after being recorded into the recording medium, the generating device generates No More Copy information as the copy control information-and the information recording apparatus records the recording information and the copy control information into the recording medium without modifying the copy control information, and

said recording control program causes the output control computer to function as:

an obtaining device for obtaining the output recording information and copy control information; and

a recording device for recording the obtained recording information and copy control information into the recording medium, without modifying the copy control information.

Claims 39-48. (canceled).

49. (currently amended): The information output apparatus according to Claim 1, further comprising:

an encryption method changing device for changing an encryption method on the basis of outputted information speed.

50. (currently amended): The information recording apparatus according to Claim 87, further comprising:

an encryption method detecting device for detecting encryption method of inputted information; and

a switching device for switching the inputted information on the basis of the detected encryption method.

51. (new): An information output apparatus for outputting recording information and copy control information to an information recording apparatus which records the recording information and copy control information into a recording medium, the information output apparatus comprising:

a determining device for determining whether an outputting speed is higher than a reproducing speed of the recording information from the recording medium;

a generating device for generating first copy control information indicating a number of times which the recording information can be recorded after being recorded into the recording medium if it is determined that the outputting speed is higher than the reproducing speed, and for generating second copy control information indicating a number of times which the recording information can be recorded before being recorded into the recording medium if it is determined that the outputting speed is not higher than the reproducing speed;

a multiplexing device for multiplexing the first or second copy control information, which is generated by the generating device, and the recording information; and

an outputting device for outputting the multiplexed information to the information recording apparatus.